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AN IMAGE CAPTURING SYSTEM AND METHOD FOR AUTOMATICALLY WATERMARKING RECORDED PARAMETERS FOR PROVIDING DIGITAL IMAGE VERIFICATION

ABSTRACT OF THE DISCLOSURE

An image capturing system and method for automatically watermarking a plurality of recorded camera and image parameters such as the location (latitude, longitude and altitude), orientation of the principal axis of the camera, whether the camera is in landscape mode or portrait mode, camera velocity, photographer information, time and date, zoom factor, shutter speed, flash on/off, autofocus distance, lightmeter reading, focal length and aperture into every captured image. This watermarked data can be subsequently extracted and compared with the originally recorded data so as to verify the authenticity of a corresponding image. Since the critical data is invisibly watermarked into the image, it is difficult to modify the image without affecting the watermarked data.